CLAIMS

1. An acrylic synthetic fiber having a knot-like unevenness on a fiber surface thereof, a difference of distances between a depression and a projection of 5.0 micrometers to 15.0 micrometers, a distance between peaks of unevenness of 0.05 mm to 0.5 mm, a flexural rigidity value of the fiber of 7.0 x 10^{-7} N-m^2/m to 10.0 x 10^{-7} N-m^2/m, and a torsional rigidity value of the fiber of 5.0 x 10^{-9} N-m^2 to 10.0 x 10^{-9} N-m^2.

2. The acrylic synthetic fiber according to Claim 1 comprising an acrylic copolymer having a content of acrylonitrile of not less than 60 mol%, a sulfur content originating in a vinyl based monomer including a sulfonic group of 0.15% by weight to 0.50% by weight, and a specific viscosity of 0.20 to 0.50.

3. The acrylic synthetic fiber according to Claim 1 or Claims, wherein a 10% shrinkage starting temperature of the acrylic synthetic fiber is not less than 150 degrees C.

4. An artificial hair comprising the acrylic synthetic fiber according to Claim 1, Claim 2, or Claim 3.